

**Claims:**

1. (currently amended) An audio/video signal processing apparatus for a plurality of different audio and/or video signal processing operations with a housing-~~(2)~~, a central unit ~~(110)~~—arranged in the housing-~~(2)~~, a plurality of signal processing modules ~~(12)~~—provided in the housing ~~(2)~~—for audio and/or video signal processing operations and a control unit, wherein the central unit ~~(110)~~—comprises:

a processor ~~(112)~~—for the execution of computing operations for an audio and/or video signal processing operation in accordance with an activated signal processing module of the plurality of signal processing modules-~~(12)~~,

an archiving device ~~(116)~~—for storing audio and video signals,

a man-machine interface ~~(118)~~—with a device ~~(320)~~—for generating a display signal for a common visual user guidance of the audio and/or video signal processing operations of the plurality of signal processing modules, a device ~~(340)~~—for detecting user operations from the control unit ~~(150)~~—for the control of the audio and/or video signal processing and a device ~~(350)~~ for the respective control of one of the signal processing modules-~~(12)~~, and

an I/O communication interface ~~(114)~~—for receiving audio and/or video signals to be processed and for the output of audio and/or video signals including the display signal for the visual user guidance on a display device ~~(330)~~—which can be connected to the I/O communication interface-~~(114)~~.

2. (currently amended) An audio/video signal processing apparatus according to claim 1, wherein the archiving device ~~(116)~~—is a hard disk drive.
3. (currently amended) An audio/video signal processing apparatus according to claim 1—~~or 2~~, wherein the I/O communication interface ~~(114)~~—comprises connections ~~(16, 17)~~—for at least one of the interface standards PCI, USB, Firewire

or RS232 for a wireless and/or wire-connected LAN/WLAN network and/or for the Internet an analogue modem, an ISDN connection or an ADSL connection.

4. (currently amended) An audio/video signal processing apparatus according to ~~any~~ ~~of claims 1 to 3~~, wherein the I/O communication interface (114) is of modular construction.
5. (currently amended) An audio/video signal processing apparatus according to ~~any~~ ~~of claims 1 to 4~~ claim 3, wherein connections (17) of the I/O communication interface (114) are arranged for a permanent apparatus connection on the back of the housing and connections (16) of the I/O communication interface (114) are arranged for a temporary apparatus connection on the front of the housing.
6. (currently amended) An audio/video signal processing apparatus according to ~~any~~ ~~of claims 1 to 5~~, wherein the I/O communication interface (114) contains at least one output connection for a television apparatus or a monitor for the display of a video signal.
7. (currently amended) An audio/video signal processing apparatus according to ~~any~~ ~~of claims 1 to 6~~, wherein the device (320) for the generation of a display signal is an on-screen display unit.
8. (original) An audio/video signal processing apparatus according to claim 7, wherein the display signal for the visual user guidance displays a list of menu options.
9. (currently amended) An audio/video signal processing apparatus according to ~~any~~ ~~of claims 1 to 8~~, wherein after powering up a menu for the selection of an audio/video signal processing functionality is displayed.

10. (currently amended) An audio/video signal processing apparatus according to ~~any of claims 1 to 9~~claim 8, wherein the control unit ~~(150)~~ is a selection device for the selection of one of the displayed menu options.
11. (currently amended) An audio/video signal processing apparatus according to ~~any of claims 1 to 10~~, wherein the control unit ~~(150)~~ is a remote control unit, in particular a radio remote control unit.
12. (currently amended) An audio/video signal processing apparatus according to claim 11, wherein the remote control unit ~~(150)~~ contains a manually operable rotating wheel ~~(510)~~ for the selection of one of the displayed menu options.
13. (currently amended) An audio/video signal processing apparatus according to claim 11, wherein the remote control unit ~~(150)~~ contains manually operable scroll keys.
14. (currently amended) An audio/video signal processing apparatus according to ~~any of claims 8 to 13~~claim 8, wherein the visual user guidance for all signal processing modules ~~(12)~~ is performed via menus.
15. (currently amended) An audio/video signal processing apparatus according to ~~any of claims 1 to 14~~, wherein the man-machine interface ~~(118)~~ contains a storage device ~~(370)~~ for storing the status information needed for the user guidance and operation in accordance with the signal processing modules ~~(12)~~ provided in the housing ~~(2)~~.
16. (currently amended) An audio/video signal processing apparatus according to ~~any of claims 1 to 15~~, wherein the man-machine interface ~~(118)~~ converts signals received by the control unit ~~(150)~~ in accordance with the respectively active signal processing module ~~(12)~~ into module-specific control commands for the respectively active signal processing module ~~(12)~~.

17. (currently amended) An audio/video signal processing apparatus according to ~~any of claims 1 to 16~~, wherein the status information specifies the respectively active signal processing module ~~(12)~~.
18. (currently amended) An audio/video signal processing apparatus according to ~~any of claims 1 to 17~~, wherein the processor ~~(112)~~ of the central unit ~~(110)~~ executes all the audio/video computing operations.
19. (currently amended) An audio/video signal processing apparatus according to ~~any of claims 1 to 18~~, wherein the processor ~~(112)~~ of the central unit ~~(110)~~ simultaneously processes a plurality of different audio/video computing operations.
20. (currently amended) An audio/video signal processing apparatus according to ~~any of claims 1 to 19~~, which also contains a fan ~~(650)~~ for passing cooling air over a component of the audio/video signal processing apparatus.
21. (currently amended) An audio/video signal processing apparatus according to claim 20, wherein the fan is a processor fan ~~(650)~~ for passing cooling air over the processor ~~(112)~~.
22. (currently amended) An audio/video signal processing apparatus according to claim 20, wherein the fan is a power supply unit fan for passing cooling air over the power supply unit ~~(18)~~.
23. (currently amended) An audio/video signal processing apparatus according to ~~any of claims 19 to 21~~ claim 20, wherein the fan ~~(650)~~ is arranged directly on the housing ~~(2)~~.
24. (currently amended) An audio/video signal processing apparatus according to claim 23, which also comprises an air duct ~~(640)~~ for the connection of the fan.

~~(650)~~ to the housing (2) for the feeding of external air to the component to be cooled.

25. (currently amended) An audio/video signal processing apparatus according to claim 24, wherein the air duct ~~(640)~~ exhibits a conical shape.
26. (currently amended) An audio/video signal processing apparatus according to ~~any~~ of claims 21 ~~to 25~~, wherein the processor fan ~~(650)~~ exhibits a larger cross-section than the processor ~~(112)~~.
27. (currently amended) An audio/video signal processing apparatus according to ~~any~~ of claims 20 ~~to 26~~, wherein the fan ~~(650)~~ exhibits a cross-section larger than 45x45 mm.
28. (currently amended) An audio/video signal processing apparatus according to ~~any~~ of claims 20 ~~to 27~~, wherein the fan ~~(650)~~ is operated with a rotational speed slower than 3000 rpm.
29. (currently amended) An audio/video signal processing apparatus according to ~~any~~ of claims 20 ~~to 28~~, wherein the rotational speed of the fan ~~(650)~~ is controlled in accordance with the temperature of the component to be cooled, in particular of the processor ~~(112)~~ or of the power supply unit ~~(18)~~.
30. (currently amended) An audio/video signal processing apparatus according to ~~any~~ of claims 1 ~~to 29~~, wherein mechanical drives ~~(15)~~ provided in the housing (2) are mounted via damping elements ~~(710)~~.
31. (currently amended) An audio/video signal processing apparatus according to claim 30, wherein the mechanical drive ~~(15)~~ is an optical drive, in particular a DVD drive or a CD drive or a hard disk drive.

32. (currently amended) An audio/video signal processing apparatus according to claim 30-~~or 31~~, wherein the damping elements (~~710~~) are made of rubber.
33. (currently amended) An audio/video signal processing apparatus according to ~~any~~ of claims 30-~~to 32~~, wherein the mechanical drive (~~15~~) can be inserted into the housing (~~2~~) via a plastic rail and the plastic rail is mounted on the mechanical drive (~~15~~) via rubber buffers (~~710~~).
34. (currently amended) An audio/video signal processing apparatus according to ~~any~~ of claims 1-~~to 33~~, wherein the housing (~~2~~) comprises a plurality of slots (~~13~~) for the insertion of signal processing modules (~~12~~) in the form of plug-in cards and a plurality of slide-in slots for the insertion of mechanical drives (~~15~~).
35. (original) An audio/video signal processing apparatus according to claim 34, wherein the plug-in and slide-in slots each conform to a standard form factor.
36. (currently amended) An audio/video signal processing apparatus according to claim 35, wherein the standard form factor for signal processing modules (~~12~~) is the PCI standard, the Mini PCI standard and/or the AGP standard.
37. (currently amended) An audio/video signal processing apparatus according to claim 35-~~or 36~~, wherein the standard form factor for mechanical drives is the 5 1/4 inch standard, the 3.5" standard, the 3" standard or the 2.5" standard.
38. (currently amended) An audio/video signal processing apparatus according to ~~any~~ of claims 1-~~to 37~~, wherein a signal processing module (~~12~~) emulates the audio and/or video signal application of a conventional audio or video apparatus.
39. (currently amended) An audio/video signal processing apparatus according to ~~any~~ of claims 1-~~to 38~~, wherein the signal processing modules (~~12~~) arranged in the housing (~~2~~) comprise a television module (~~131~~), a video module (~~132~~), a CD/DVD

module-(133), an audio module-(134), a radio module-(135), a photographic module (136)-and/or a recording module-(137).

40. (currently amended) An audio/video signal processing apparatus according to claim 39, wherein the television module (131)-is an analogue television module and/or a digital television module.
41. (currently amended) An audio/video signal processing apparatus according to claim 40, wherein the television module (131)-is an analogue television module for the reception of television signals according to the NTSC, PAL and/or SECAM standard.
42. (currently amended) An audio/video signal processing apparatus according to claim 40, wherein the television module (131)-is a digital television module for the reception of television signals according to the DVB standard.
43. (currently amended) An audio/video signal processing apparatus according to ~~any~~ of-claims 40-to-42, wherein the television module (131)-is configured for the reception of television signals transmitted via satellite, cable and/or terrestrially.
44. (currently amended) An audio/video signal processing apparatus according to ~~any~~ of-claims 40-to-43, wherein the television module (131)-is configured for the processing of HDTV signals.
45. (currently amended) An audio/video signal processing apparatus according to ~~any~~ of-claims 39-to-44, wherein the radio module (135)-is an analogue and/or digital radio module.
46. (currently amended) An audio/video signal processing apparatus according to claim 45, wherein the radio module (135)-is set up for the processing of radio signals transmitted according to the DAB standard.

47. (currently amended) An audio/video signal processing apparatus according to ~~any~~ of-claims 39 ~~to 46~~, wherein the recording module (~~137~~) allows a recording of data on an optical storage medium, in particular a CD, DVD or HD-DVD.
48. (currently amended) An audio/video signal processing apparatus according to claim 47, wherein the recording module (~~137~~) is able to display data recorded on the optical storage medium and is also able to record data on the optical storage medium.
49. (currently amended) An audio/video signal processing apparatus according to ~~any~~ of-claims 39 ~~to 48~~, wherein the recording module (~~137~~) is a magnetic storage drive, in particular a hard disk drive, a Minidisc drive or a flash memory drive.
50. (currently amended) An audio/video signal processing apparatus according to ~~any~~ of-claims 39 ~~to 49~~, wherein the video module (~~132~~) is set up for the decoding of coded audio and/or video data and/or for the coding of audio and/or video data.
51. (currently amended) An audio/video signal processing apparatus according to claim 50, wherein the video module (~~132~~) is set up for the processing of video signals according to the coding standard MPEG, DVC-Pro, H.26x., JPEG, Motion-JPEG, and/or JPEG-2000 and/or for the processing of audio signals according to the standard MP3, WMA, AC3 and/or AVI.
52. (currently amended) An audio/video signal processing apparatus according to ~~any~~ of-claims 39 ~~to 51~~, wherein the audio module (~~134~~) is set up for the decoding of coded audio data and/or for the coding of audio data.
53. (currently amended) An audio/video signal processing apparatus according to claim 52, wherein the audio module (~~134~~) is set up for the processing of audio signals according to one of the standards MP3, WMA, AC3, and/or AVI.



54. (currently amended) An audio/video signal processing apparatus according to ~~any~~ of claims 39 ~~to 53~~, wherein the video module ~~(132)~~ and/or the audio module ~~(134)~~ is set up for the archiving of video and/or audio data.
55. (currently amended) An audio/video signal processing apparatus according to ~~any~~ of claims 39 ~~to 54~~, wherein the photographic module ~~(136)~~ is able to code, edit and archive picture data.
56. (currently amended) An audio/video signal processing apparatus according to ~~any~~ of claims 1 ~~to 55~~, wherein the I/O communication interface ~~(114)~~ comprises an output connection for consumer electronic apparatuses ~~(330)~~, in particular a SCART, composite and/or S-Video connection.